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CAESAR, RIVISE, BERNSTEIN,
COHEN & POKOTILOV
SUITE 800, STEPHEN GIRARD BUILDING
21 SOUTH 12TH STREET
PHILADELPHIA, PA 19107

**NOTICE OF ALLOWANCE
AND ISSUE FEE DUE**

☐ Note attached communication from the Examiner

☐ This notice is issued in view of applicant's communication filed

| SERIES CODE/SERIAL NO. | FILING DATE | TOTAL CLAIMS | EXAMINER AND GROUP ART UNIT | DATE MAILED |
|---------------------------------------|-------------|--------------|-----------------------------|--------------|
| 07/576,023 | 08/31/90 | 018 | MCCARTHY, N | 138 07/02/91 |
| First Named Applicant: KIM, ANNABELLE | | | | |

TITLE OF INVENTION: METHOD OF WASHING AN UPFLOW FILTER AND FILTER BED EMPLOYED IN SAID FILTER

| ATTY'S DOCKET NO. | CLASS-SUBCLASS | BATCH NO. | APPLN. TYPE | SMALL ENTITY | FEE DUE | DATE DUE |
|-------------------|----------------|-----------|-------------|--------------|----------|----------|
| 1 | 210-792.000 | 097 | UTILITY | YES | \$525.00 | 10/02/91 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the Status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by a charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees.



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| SERIAL NUMBER | FILING DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NO. |
|---------------|-------------|-----------------------|---------------------|
| 07/576,023 | 08/31/90 | KIM | A |

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| EXAMINER | |
|-------------|--------------|
| MCCARTHY, N | |
| ART UNIT | PAPER NUMBER |
| | 5 |

DATE MAILED 07/02/91

07/02/91

NOTICE OF ALLOWABILITY

PART I.

- ☒ This communication is responsive to *the telephone interview of 6/25/91 and the faxed amdt. of 6/27/91*
- ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- ☒ The allowed claims are *1-3, 5, 6, 12, 13, 16-26 (renumbered 1-18, respectively)*
- ☐ The drawings filed on _____ are acceptable.
- ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received. ☐ not been received. ☐ been filed in parent application Serial No. _____, filed on _____.
- ☐ Note the attached Examiner's Amendment.
- ☒ Note the attached Examiner Interview Summary Record, PTOL-413.
- ☒ Note the attached Examiner's Statement of Reasons for Allowance.
- ☒ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- ☒ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
 - ☒ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. _____. CORRECTION IS REQUIRED.
 - ☐ The proposed drawing correction filed on _____ has been approved by the examiner. CORRECTION IS REQUIRED.
 - ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
 - ☒ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- ☐ Examiner's Amendment
- ☒ Examiner Interview Summary Record, PTOL-413
- ☒ Reasons for Allowance
- ☒ Notice of References Cited, PTO-892
- ☒ Information Disclosure Citation, PTO-1449

- ☐ Notice of Informal Application, PTO-152
- ☒ Notice re Patent Drawings, PTO-948
- ☐ Listing of Bonded Draftsmen
- ☐ Other

Stanley S. Silverman
STANLEY S. SILVERMAN
SUPERVISORY PATENT EXAMINER
ART UNIT 138

The following is an Examiner's Statement of Reasons for Allowance:

This application is allowable because the prior art of record, and in particular the Treanor patent, does not disclose a two stage washing of an upflow filter wherein a first stage employs an air/water scour and a second stage employs a water wash and wherein the air and water flow rates during each stage are as now claimed in claim 1 and wherein the termination of the first stage air/water scour occurs at a point when floc is remaining in the filter media as evidenced by the limitation that the headloss in the filter media at termination of the first stage is at least 15 percent greater than the headloss through the same filter media when all of the floc is removed therefrom (or as compared to an identical clean filter media). the Treanor and Louboutin patents were disclosed to applicants' representative, Mr. Faigus, during the June 25 telephone interview. Mr. Faigus agreed to incorporate the flow rate and headloss limitations into the broad claim. None of the prior art now teaches or suggests the claimed invention. Mr. Faigus' remarks set forth in the amendment faxed June 27, 1991 clearly set forth the differences between the Treanor and Louboutin patents and the claims as amended.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to

Serial No. 07/576,023

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Art. Unit. 138

avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Neil M. McCarthy at telephone number (703) 308-3773.

NMM

rmm

June 28, 1991